

Ionization constants and reactivity of spirophosphoranes with a P-H bond when reacted with diphenyldiazomethane

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Abstract

1. The potentiometric titration method was used to determine the ionization constants of some spiro- and monocyclophosphoranes, which contain the P-H bond, in absolute n-propanol. 2. A study of the reaction rate of these phosphoranes with diphenyldiazomethane disclosed that their reactivity increases with increase in the acidity. In this connection the proton of the P-H fragment is more labile in the spirocyclic than in the monocyclic phosphoranes. © 1977 Plenum Publishing Corporation.

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